

Datasheet for ABIN7565134

CHAF1A Protein (AA 1-911) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | CHAF1A |
| Protein Characteristics: | AA 1-911 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CHAF1A protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant Chaf1a Protein expressed in mammalian cells. |
| Sequence: | <p>MLEEPEAATR TAAAVDCKDR PGFPVKRLIQ ARLPFKRLNL VPKEKVEEDT SPKAAVESKV</p> <p>PDLQLSLGTF ESQCHTGS HV GLSTKLVG GQ GPIDSFLRAT IKPVPSVII DLTENCSDIP</p> <p>DSPEGHSELS PDTAGVVTTV EGA AKQ QEH S AAELCLLETP SDITCHMEEE PGSPGDPKRT</p> <p>GDCQAGSLQS CPELTPGSRT CPTKELSSWS KAGDLLFIEK VPVVVLEDIL ATKPSIASLP</p> <p>MMSLDRSVTS ESEILESCPE DDSILSHSST NSSSPTSSPE GPSTPPEHRG GRSSPSTPAC</p> <p>RVAKNFVKGS TEKGRSKLHR DREQQREEKE KLREEIRRAK EEARKKKKEEE KELKEKERRE</p> <p>KREKDEKEKA EKQRLKEEKR KERQEAL EAK LEEKRKKEEE KRLREEEKRL REEEKRIKAE</p> <p>KAEITRFFQK PKTPQAPKTL AGSCGKFAPF EIKEHMLVLA PCRAALDQDL CDQLDQLLQQ</p> <p>QSVASTFLSD LKSRLPLRSG PTRVCGHDTD IMNRDVVIVE SSKVDGVSER KKFGRMKLLQ</p> <p>FSENHRPAYW GTWNKKTAI RPRNPWAQDK DLLDYEVDS D DEWEEEEPGE SLSHSEGDED</p> <p>DDVGEDEDED DGFFVPHGYL SEDEGVTEEC ADPENHKVHQ KLKAKEWDEL LAKGKRFRVL</p> <p>QPVHVGCVWA SEAANCTSSD LKLLQQFTAC LLDVASPDEP EPGASRREKR DQHILAQLLP</p> |

Product Details

LLHGNVNGSK VIIHEFQEQC RRGLLTLPSP TPHLQMPNLE DAVAVPSKAR LKRLISENSA
YEKRPNFRMC WYVHPEVLKS FGQECLPVPC QWTYITTMPS APREDSGSAS TEGPGQSTPM
LLKRKPAATM CITQFMKKRR YDGQVGS GDM DGFQADTEED EEDDTDCMII DVPDVGSDVS
EAPIPAPTLC K **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: CHAF1A

Alternative Name: Chaf1a ([CHAF1A Products](#))

Background: Chromatin assembly factor 1 subunit A (CAF-1 subunit A) (Chromatin assembly factor I p150 subunit) (CAF-I 150 kDa subunit) (CAF-I p150), **FUNCTION:** Core component of the CAF-1 complex, a complex that is thought to mediate chromatin assembly in DNA replication and DNA repair. Assembles histone octamers onto replicating DNA in vitro. CAF-1 performs the first step of the nucleosome assembly process, bringing newly synthesized histones H3 and H4 to

Target Details

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| | replicating DNA, histones H2A/H2B can bind to this chromatin precursor subsequent to DNA replication to complete the histone octamer. It may play a role in heterochromatin maintenance in proliferating cells by bringing newly synthesized cbx proteins to heterochromatic DNA replication foci. {ECO:0000250 UniProtKB:Q5R1T0}. |
| Molecular Weight: | 101.9 kDa |
| UniProt: | Q9QWF0 |

Application Details

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| Application Notes: | We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Buffer: | The buffer composition is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -80 °C |
| Storage Comment: | Store at -80°C. |
| Expiry Date: | 12 months |